

## ABSTRACT

A method for controlling the hand-off of an MS (Mobile Station) for the home  
5 zone service in a mobile telecommunications system including a plurality of BTSs (Base  
Transceiver Stations), a BSC for controlling the BTSs, and an MSC (Mobile Switching  
Center) for connecting the BSC with a different BTS or network, comprising the steps of  
causing the MS to connect through the BTS with the BSC (Base Station Controller) by an  
outgoing or incoming call, causing the BSC to store the home zone list and the subscriber  
10 service class of the MS received from the MSC, and causing the BSC to perform the hand-  
off requested by the MS according to the home zone list and the subscriber service class.  
Thus, when the MS registered only in the fixed network, so as to be provided with  
communication services only in the home zone, travels through the other regions than the  
home zone, the BTS drops the presently connected call with an alert message. However,  
15 the MS registered both in the fixed and in the mobile network, so as to be provided with  
communication services both in the home zone and in the other regions, travels through the  
other regions, the BTS only sends an alert message to the MS without dropping the  
presently connected call. In this case, the BTS operator has discretion as to whether to send  
the alert message to the MS.